

**ALLOWED CLAIMS**  
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Serial No.: 10/699,365  
**TELECOMMUNICATIONS SERVICE PROGRAM**  
200314088-1; 2110-005-03

1. A method of deploying a telecommunications service where the service is implemented in a service graph formed from a plurality of service independent building blocks, the method comprising:

under control of a client system,

developing the service graph including a plurality of service independent building blocks interconnected to execute a service process,

generating from the service graph a service script, and

transferring the service script to a computer-readable medium;

transferring the service script from the computer-readable medium to a server system; and

under control of the server system,

compiling the service script to generate a service image, and

executing the service image on the server system.

2. The method of claim 1 further comprising distributing the service script to a customer for which the service script was developed.

3. The method of claim 1 wherein the service graph includes at least one subroutine icon defining a subroutine formed from a plurality of service independent building blocks.

4. A method of deploying a telecommunications service where the service is implemented in a service graph formed from a plurality of service independent building blocks, the method comprising:

developing the service graph from a plurality of service independent building blocks interconnected to execute a service process;

generating from the service graph a service script;  
transferring the service script to a computer-readable medium; and  
transferring the service script via the computer-readable medium to a  
customer.

5. The method of claim 4 further comprising:  
compiling the service script to generate a service image; and  
executing the service image on the server system.

6. The method of claim 5 wherein the operations of developing,  
generating, and transferring occur on a client system, and wherein the operations  
of compiling and executing occur on a server system.

7. The method of claim 5 wherein the customer is never provided  
access to the service graph during any of the operations.

8. The method of claim 4 wherein the service graph includes at least  
one subroutine icon defining a subroutine formed from a plurality of service  
independent building blocks.

9-12. (Cancelled)

13. A computer-readable storage medium including a service script  
generated from a service graph including a plurality of interconnected service  
independent building blocks, the service script being used to cause a computer  
system to execute a telecommunications service.

14. The computer-readable storage medium of claim 13 wherein the  
service script is further compiled to generate a service image prior to being  
executed.

15. The computer-readable storage medium of claim 14 wherein the service graph includes at least one subroutine icon defining a subroutine formed from a plurality of service independent building blocks.

16. A method of executing a telecommunications service, comprising:  
receiving from a computer-readable medium a service script generated from a service graph, the service graph being formed from a plurality of service independent building blocks; and  
executing the received service script to provide the telecommunications service.

17. The method of claim 16 wherein executing the service script comprises:

compiling the service script to generate a service image; and  
running the service image to provide the telecommunications service.

18. The method of claim 16 wherein the service graph includes at least one subroutine icon defining a subroutine formed from a plurality of service independent building blocks.

19. A client computer system, comprising:  
a graphical interface component operable in response to user input to develop a service graph using a graphical interface, and operable to generate a service script from the service graph and store the service script on a computer-readable medium.

20. The client computer system of claim 19 wherein the graphical interface component is operable to generate the service script responsive to user input.

21. The client computer system of claim 19 further comprising:

an application build component operable to communicate with a server system to generate an application program on the server system;

a deployment component coupled to the graphical interface component to receive the service script and operable to process the service script to generate files for deployment on the server system; and

a provisioning component operable to generate service data tables on the server system for use during execution of the service corresponding to the service script.

22. A server computer system, comprising:

a build server adapted to receive a service script from a computer-readable medium, the service script corresponding to a telecommunications service and the service script having been generated from a service graph formed from a plurality of interconnected service independent building blocks, and the build server operable to compile the service script to generate a service image;

an open database server operable to generate service data tables required by the service image and store the tables in a table database; and

an application component operable to execute the service image to provide the telecommunications service.

23-26. (Cancelled)

27. The server system of claim 22 wherein the server system comprises a service control point in an SS7 network.

28. The server system of claim 22 further comprising a service image database component including a plurality of service images that are executed by the application component.